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FILE 'USPAT' ENTERED AT 13:21:47 ON 02 SEP 1999

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  *           U. S.   P A T E N T   T E X T   F I L E           *
  *                                                             *
  *  THE WEEKLY PATENT TEXT AND IMAGE DATA IS CURRENT           *
  *  THROUGH AUGUST 31,1999                          *          *
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=> e mccarty, williams?/in

E#       FILE             FREQUENCY  TERM
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E1       USPAT                   3   MCCARTY, WILLIAM R JR/IN
E2       USPAT                   2   MCCARTY, WILLIAM V/IN
E3       USPAT                   0 --> MCCARTY, WILLIAMS?/IN
E4       USPAT                   1   MCCARVER, BYRON M/IN
E5       USPAT                   2   MCCARVER, STACEY G/IN
E6       USPAT                   1   MCCARVILLE, DAVID J/IN
E7       USPAT                  10   MCCARVILLE, DOUGLAS A/IN
E8       USPAT                   1   MCCARVILLE, STEVEN J/IN
E9       USPAT                   1   MCCARY, L V JR/IN
E10      USPAT                   8   MCCARY, RICHARD O/IN
E11      USPAT                   1   MCCARY, RICHARD OSCAR/IN
E12      USPAT                   1   MCCASH, BENJAMIN L/IN

=> s e1

L1            3 "MCCARTY, WILLIAM R JR"/IN

=> d 1-3


1.  3,672,627, Jun. 27, 1972, DIAPHRAGM ASSEMBLY FOR PRESSURE OPERATED
PILOT CONTROLLED SHUT-OFF VALVE; William R. McCarty, Jr., et al.,
251/30.03 [IMAGE AVAILABLE]

2.  3,593,957, Jul. 20, 1971, DIAPHRAGM ASSEMBLY FOR PRESSURE OPERATED
PILOT CONTROLLED SHUTOFF VALVE; Paul A. Dolter, et al., 251/30.03, 38
[IMAGE AVAILABLE]

3.  3,593,956, Jul. 20, 1971, SHUTOFF VALVE AND ARMATURE GUIDE THEREFOR;
William R. McCarty, Jr., 251/30.03; 92/98D; 251/45, 61 [IMAGE
AVAILABLE]

=> s e2

L2            2 "MCCARTY, WILLIAM V"/IN

=> d 1-2


1.  4,456,425, Jun. 26, 1984, Modular inlet gearbox for a gas turbine
engine; William V. McCarty, et al., 415/122.1; 74/416; 403/356;
416/170R [IMAGE AVAILABLE]
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2. 3,631,735, Jan. 4, 1972, GAS TURBINE ENGINE GEARBOXES; **William V.**
McCarty, 74/405, 606R; 403/359.5 [IMAGE AVAILABLE]

=> s portable vibration monitor###

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        89751 PORTABLE
          275 PORTABLES
        89800 PORTABLE
              (PORTABLE OR PORTABLES)
       109773 VIBRATION
        59192 VIBRATIONS
       138145 VIBRATION
              (VIBRATION OR VIBRATIONS)
       298805 MONITOR###
L3          2 PORTABLE VIBRATION MONITOR###
              (PORTABLE(W)VIBRATION(W)MONITOR###)
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=> d 1-2

1. 5,847,658, Dec. 8, 1998, Vibration monitor and monitoring method;
Atsushi Irie, et al., 340/683; 73/579, 602, 659, 660; 702/56, 76 [IMAGE
AVAILABLE]

2. 4,520,674, Jun. 4, 1985, Vibration monitoring device; Ronald G.
Canada, et al., 73/660; 702/56, 197 [IMAGE AVAILABLE]

=> d ti, ab 1-2

US PAT NO: 5,847,658 [IMAGE AVAILABLE]   L3: 1 of 2
TITLE: Vibration monitor and monitoring method

ABSTRACT:
The object of this invention is to produce a monitor which can correctly
distinguish normal from abnormal vibration using automatically selected
monitoring features and algorithms. The monitor can be used with a
variety of devices with different vibration characteristics. The monitor
according to this invention has a sensor that detects the vibration of an
object. The monitor is operated in learning mode when the object is
vibrating normally. The waveform of the vibration detected by this sensor
is sampled over an appropriate period and analyzed. The data for each
sampling feature are subjected to statistical processing, and the data
which evince slight change are extracted as monitoring features. A
monitoring algorithm is automatically made for these monitoring features.
The algorithm selected in learning mode are used to evaluate the
vibration of an object when the monitor is in operating mode. The
operator does not need to set up the algorithm, and can monitor the
object with a more reliable algorithm than the conventional one selected
by fixed monitoring features.

US PAT NO: 4,520,674 [IMAGE AVAILABLE]   L3: 2 of 2
TITLE: Vibration monitoring device

ABSTRACT:
A **portable vibration monitoring** device (10) for use in
connection with a base computer (11) which stores data regarding the
nature and parameters of vibration measurements to be made on preselected
machines for predictive maintenance purposes. The device includes a power
module (36) which energizes the various components. A vibration sensor
(14) produces an analog signal which is representative of selected
vibration parameters. The signal generated by the vibration monitor is
conditioned by a signal conditioning module (16) which includes
anti-aliasing filters which enhance the accuracy of the data collected. A
multiple function module (18) includes various selectively energized

modules which enhance the speed and reliability of the data collected.